effect on the forest ecosystem. Sustainable forest management and conservation activities need to focus on reducing the occurrence of forest fire, prevention of soil erosion, forest cover change, forest disturbance and loss of diversity.

List of significant publications produced from the study

1, **Subin K Jose**, Alex C.J,Santhosh Kumar,Abin Varghese, G. Madhu. Landscape metric modeling a techniques for forest disturbance assessment in Shendurney wildlife Sanctuary. Environmental research, Engineering and Management. 2011 No.4(58),P 34-41.ISSN- 2029-2139.

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10, **Subin K Jose,** Alex C.J, Santhosh Kumar, G.Madhu, Babu Ambat and Abin Vaghese.Forest degradation assessment through landscape metric modeling. International conference on global warming,Climate change,Sustainable development and Secular spirituality,09-11, September 2010, Thiruvananthapuram, organized by UNESCO and Santhigiri research foundation.

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12, **Subin K Jose**, Alex C.J, Sreekath N.P, John C. Mathew, G.Madhu and Babu Ambat., Identification of key biodiversity conservation area by using geoinformation technology, National seminar on sustainable agriculture (january15-16, 2010),CMS college ,kottayam,p-77-78.